








-  **10% High Energy Density**
-  **15% Extra Capacity Performance**
-  **50% Low Corrosion**
-  **0% Sulfation**
-  **ABS Box UL94-HB**

E-Scooter



E-Motocycle



Snow Scooter



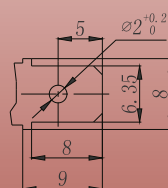
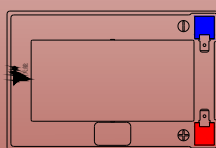
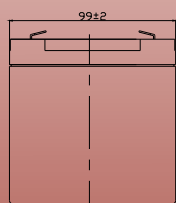
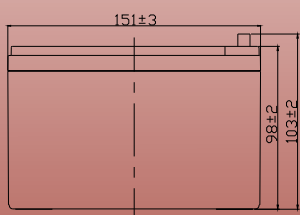
Water Scooter



**Low Speed
Electrical
Vehicle**



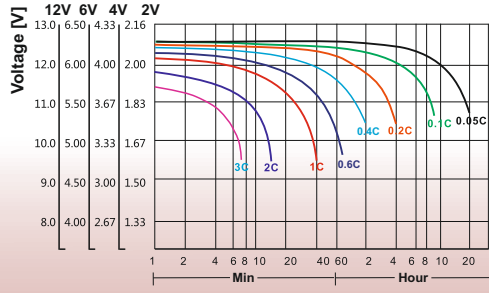
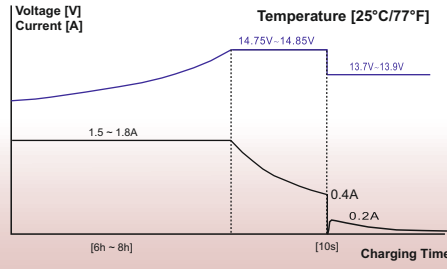
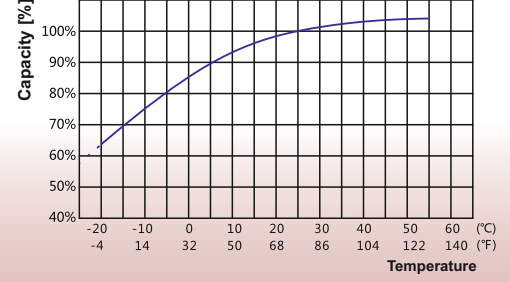
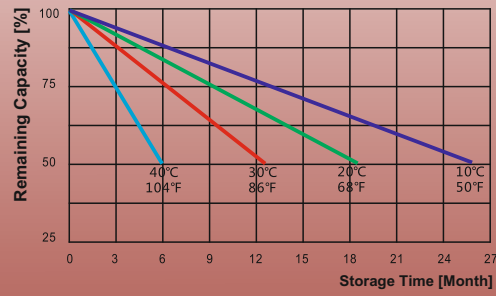
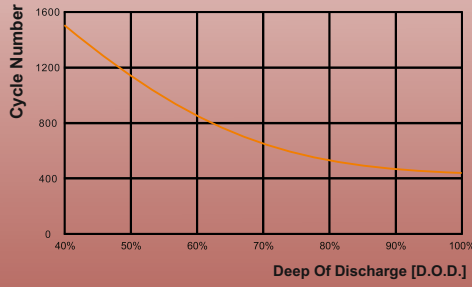
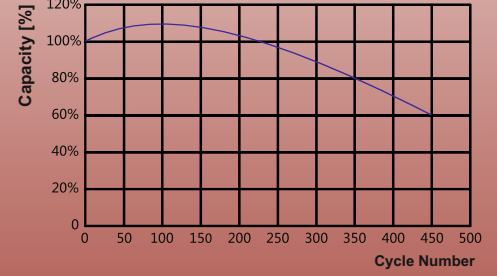
E-Wheelchair



Battery Code	YGD12-14[A] E-Bike
Stock Code	00140001B
Length [mm]	151
Width [mm]	99
Height [mm]	98
Total Height [mm]	103
Self Discharge (25°C)	3% / Month
Tolerance	[<100 mm ± 2mm] [>100 mm ± 3mm]
Weight [Kg ±%3]	4.10
Current Limit	0.2≤C:2A

C20 [Ah, 25°C] [0.76A - 10.5V]	15.2A			
C10 [Ah, 25°C] [1.36A - 10.8V]	13.6A			
C5 [Ah, 25°C] [2.74A - 10.2V]	13.7A			
C3 [Ah, 25°C] [4.21A - 10.2V]	12.63A			
C2 [Ah, 25°C] [6.11A - 10.2V]	12.22A			
C1 [Ah, 25°C] [11.1A - 9.6V]	11.1A			
Operating Temperature	Discharge	Charge	Storage	Optimum
	-15°C ~ +50°C	-0°C ~ +40°C	-15°C ~ +40°C	25 ±2°C
Temperature - Capacity Relationship	40°C	25°C	0°C	-15°C
	106%	100%	85%	72%
Charge Limit - Cycle Use	14.4 V ~ 14.8 V [-24mV/°C]			
Charge Limit - Float Use	13.75 V ~ 13.85 V [-18mV/°C]			



Discharge Characteristics [25°C]

Charge Characteristics [25°C]

Temperature - Capacity Relationship [25°C]

Time - Self Discharge Relationship

Deep Of Discharge - Cycle Life Relationship

Cycle Life - Capacity Relationship [25°C]

Constant Current - Discharge Table [25°C,A]

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	16.9	12.1	9.56	5.46	3.83	2.96	2.45	2.09	1.63	1.33	0.73
1.80	17.5	12.4	9.84	5.65	3.91	3.05	2.55	2.17	1.67	1.36	0.75
1.75	18.0	12.9	10.2	6.00	4.12	3.16	2.71	2.28	1.72	1.39	0.76
1.70	18.4	13.2	10.5	6.11	4.21	3.27	2.74	2.32	1.76	1.43	0.78
1.67	18.8	13.6	10.9	6.17	4.27	3.35	2.82	2.37	1.80	1.45	0.79
1.60	19.3	14.0	11.1	6.37	4.42	3.45	2.86	2.43	1.85	1.50	0.79

Constant Power - Discharge Table [25°C,W/Cell]

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	33.0	23.7	18.9	10.9	7.67	5.96	4.95	4.23	3.30	2.70	1.48
1.80	34.0	24.3	19.4	11.2	7.81	6.12	5.13	4.37	3.38	2.75	1.52
1.75	34.8	25.2	20.1	11.9	8.20	6.31	5.43	4.56	3.46	2.80	1.54
1.70	35.5	25.6	20.6	12.0	8.32	6.49	5.44	4.63	3.53	2.86	1.57
1.67	36.0	26.3	21.2	12.1	8.39	6.61	5.57	4.70	3.58	2.89	1.58
1.60	36.6	26.8	21.4	12.4	8.60	6.74	5.60	4.77	3.64	2.96	1.58

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